

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Alamosa, NM 88210-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Case Designation and Serial No.
NM 34247

If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Sheepdraw Federal #6

9. API Well No.

30-015-27687

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Eddy County, NM

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Louis Dryfus Natural Gas

3. Address and Telephone No.
1400 Quail Spring Pkwy., Oklahoma City, OK. 73134

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1190' FNL & 990' FWL

S33, T22S, R26E

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OIL CON. DIV.
DIST. 2

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other H2S Report

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In compliance with Onshore Order No.6,

This well produces Hydrogen Sulfide Gas.

Measurements indicate 28,012 ppm H₂S in the gas stream.

100 ppm ROE = 81 ft.

500 ppm ROE = 88 ft.

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14. I hereby certify that the foregoing is true and correct

Signed James H. Quinn

Title Environmental & Safety Director

Date 02 August 1996

(This space for Federal or State office use)

Approved by (ORIG. SGD) DAVID R. GLASS
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

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Laboratory Services, Inc.

1331 Tasker Drive

Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Louis Dreyfus Natural Gas
 Attention: Mr. Gene Simer
 P. O. Box 370
 Carlsbad, New Mexico 88221

SAMPLE
 IDENTIFICATION: Sheep Draw Fed. #6
 COMPANY: Louis Dreyfus Nat. Gas
 LEASE:
 PLANT:

SAMPLE DATA: DATE SAMPLED: 02-19-96 10:05 AM GAS (XX) LIQUID ()
 ANALYSIS DATE: 02-19-96 SAMPLED BY: Rolland Perry
 PRESSURE - PSIG 37.00 ANALYSIS BY: Vickie Walker
 SAMPLE TEMP. °F
 ATMOS. TEMP. °F 63.00
 REMARKS: H2S = 28,012 PPM

COMPONENT ANALYSIS

COMPONENT		MOL PERCENT	GPM	
Hydrogen Sulfide	(H2S)	2.80		
Nitrogen	(N2)	19.61		
Carbon Dioxide	(CO2)	0.12		
Methane	(C1)	24.27		
Ethane	(C2)	25.97	6.930	
Propane	(C3)	16.75	4.605	
I-Butane	(IC4)	3.34	1.090	
N-Butane	(NC4)	4.09	1.286	
I-Pentane	(IC5)	1.38	0.502	
N-Pentane	(NC5)	0.78	0.280	
Hexane Plus	(C6+)	0.89	0.363	
		100.00	15.056	
BTU/CU.FT. - DRY		1514	MOLECULAR WT.	32.2226
AT 14.650 DRY		1510		
AT 14.650 WET		1483		
AT 14.73 DRY		1518		
AT 14.73 WET		1492		
SPECIFIC GRAVITY -				
CALCULATED		1.113		
MEASURED				

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CARL
AREA PL

SHEEPDRAW FEDERAL # 6

Radius of Exposure (ROE)
Hydrogen Sulfide Gas (H₂S)
Maximum Escape Volume = 25 MCF/D

100 ppm ROE

$$\left(\frac{(1.589) (\text{ppm}) (\text{MCF/D})}{1000} \right)^{.6258}$$
$$\left(\frac{(1.589) (28,012) (25)}{1000} \right)^{.6258} = 81 \text{ ft.}$$

500 ppm ROE

$$\left(\frac{(0.4546) (\text{ppm}) (\text{MCF/D})}{1000} \right)^{.6258}$$
$$\left(\frac{(0.4546) (28,012) (25)}{1000} \right)^{.6258} = 37 \text{ ft.}$$

Louis Dreyfus Natural Gas Corp.

P.O. Box 129
Whitewater, TX 79379

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August 2, 1996

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CARL
AREA

Department of the Interior
Bureau of Land Management
P.O. Box 1778
Carlsbad, new Mexico 88210

In compliance with Onshore Order No. 6 and to protect public health and safety, Louis Dreyfus Natural Gas is filing the enclosed Sundry Notice to provide Hydrogen Sulfide information.

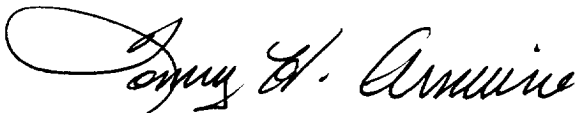
A Public Protection Plan will not be required on this site because:

- 1) the 100 ppm ROE does not exceed 3,000 feet.
- 2) the 100 ppm ROE does not exceed 50 feet and include any occupied residence, school, church, park, school bus stop, place of business, or other area where the public could reasonably be expected to frequent.
- 3) the 500 ppm ROE is not greater than 50 feet.

If further information is required contact me at (806) 525-4373.

This information is correct to the best of my knowledge and expertise.

Respectfully submitted,



Tommy H. Arnwine, A.S.P.
Environmental & Safety Director
Texas / New Mexico

